EU189967872O5

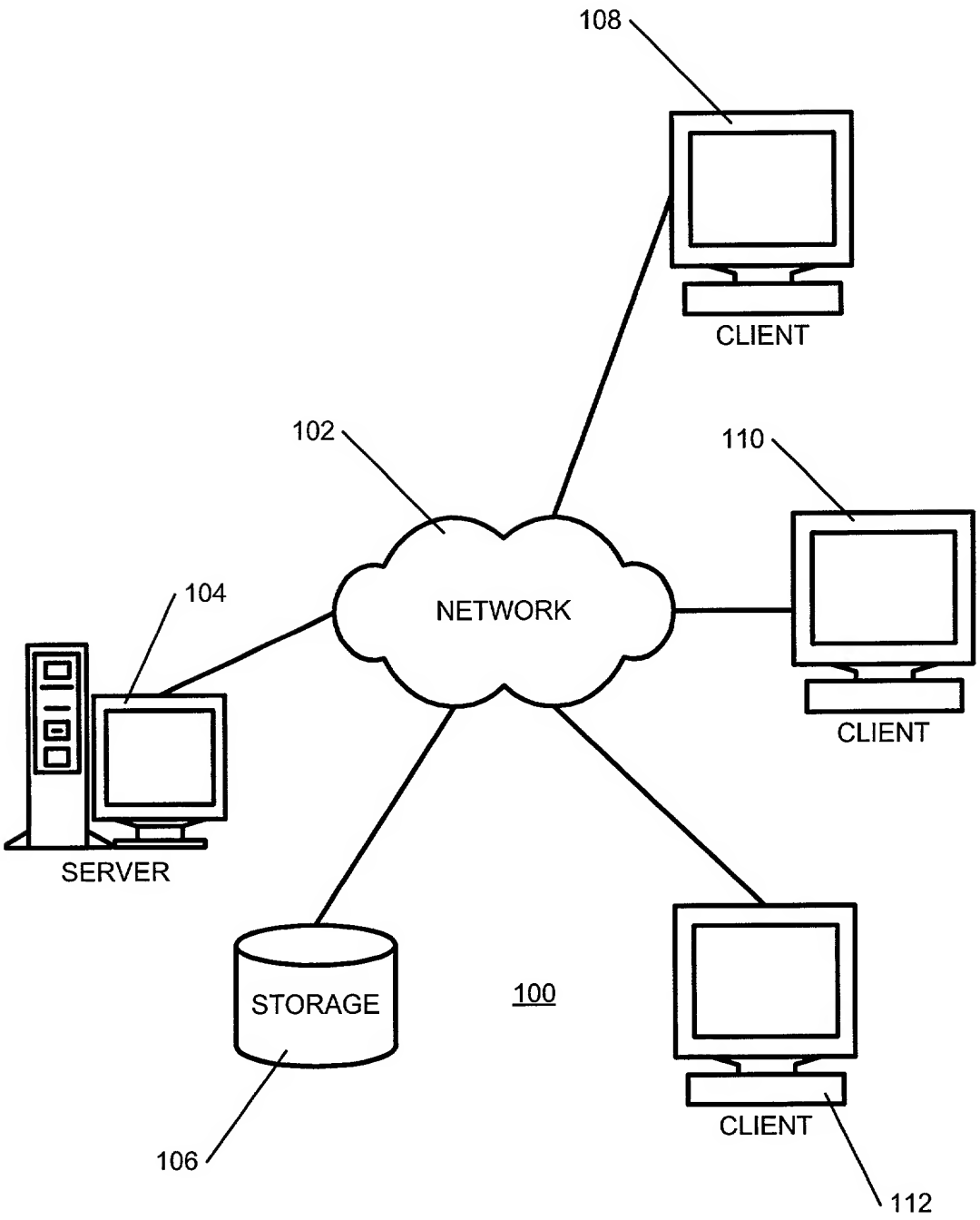

FIG. 1

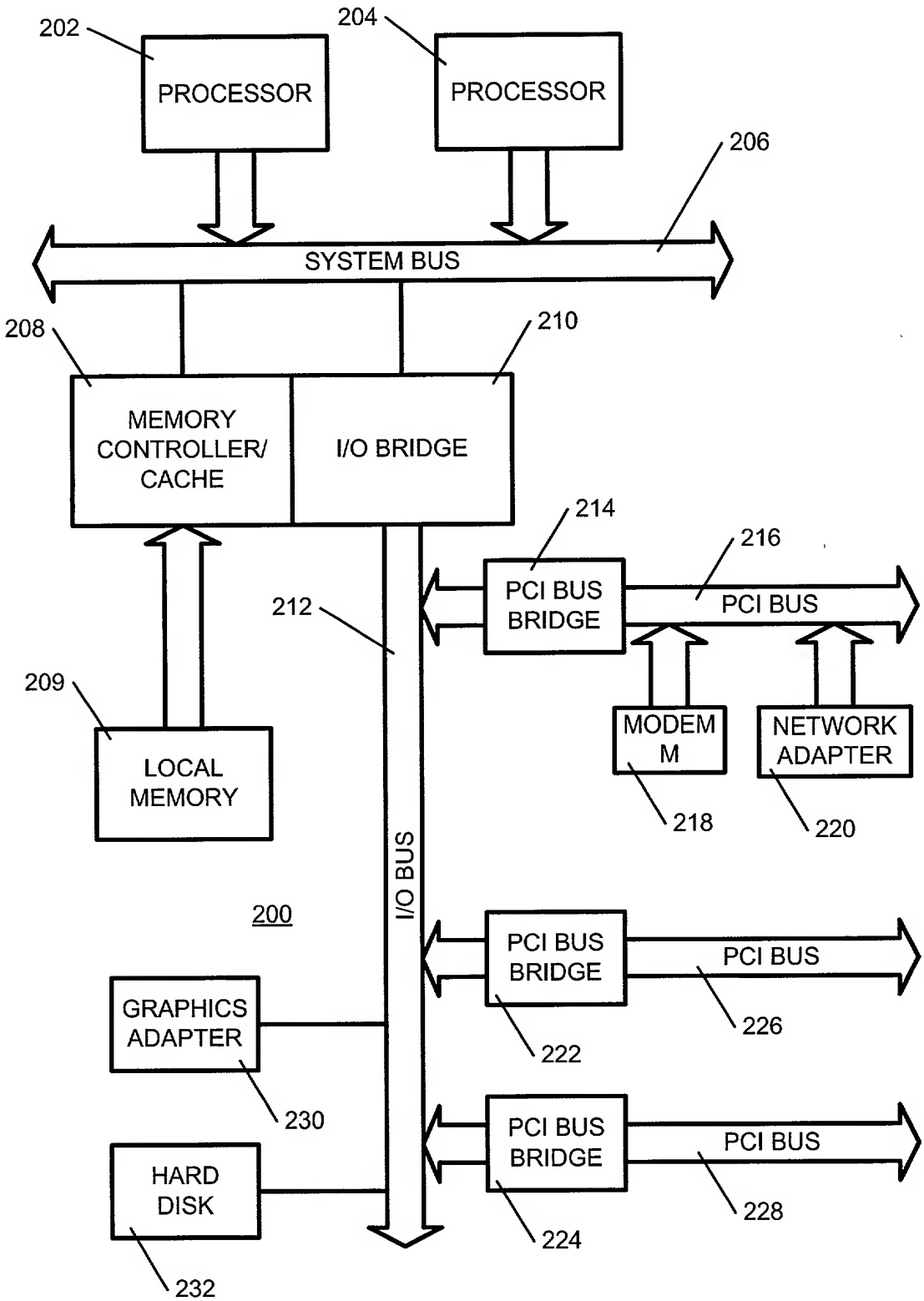
202
PROCESSOR
204
PROCESSOR
206
SYSTEM BUS
208
MEMORY CONTROLLER/ CACHE
210
I/O BRIDGE
214
PCI BUS BRIDGE
216
PCI BUS
212
209
LOCAL MEMORY
MODEM
NETWORK ADAPTER
218
220
I/O BUS
200
PCI BUS BRIDGE
PCI BUS
GRAPHICS ADAPTER
222
226
230
PCI BUS BRIDGE
PCI BUS
HARD DISK
224
228
232

FIG. 2

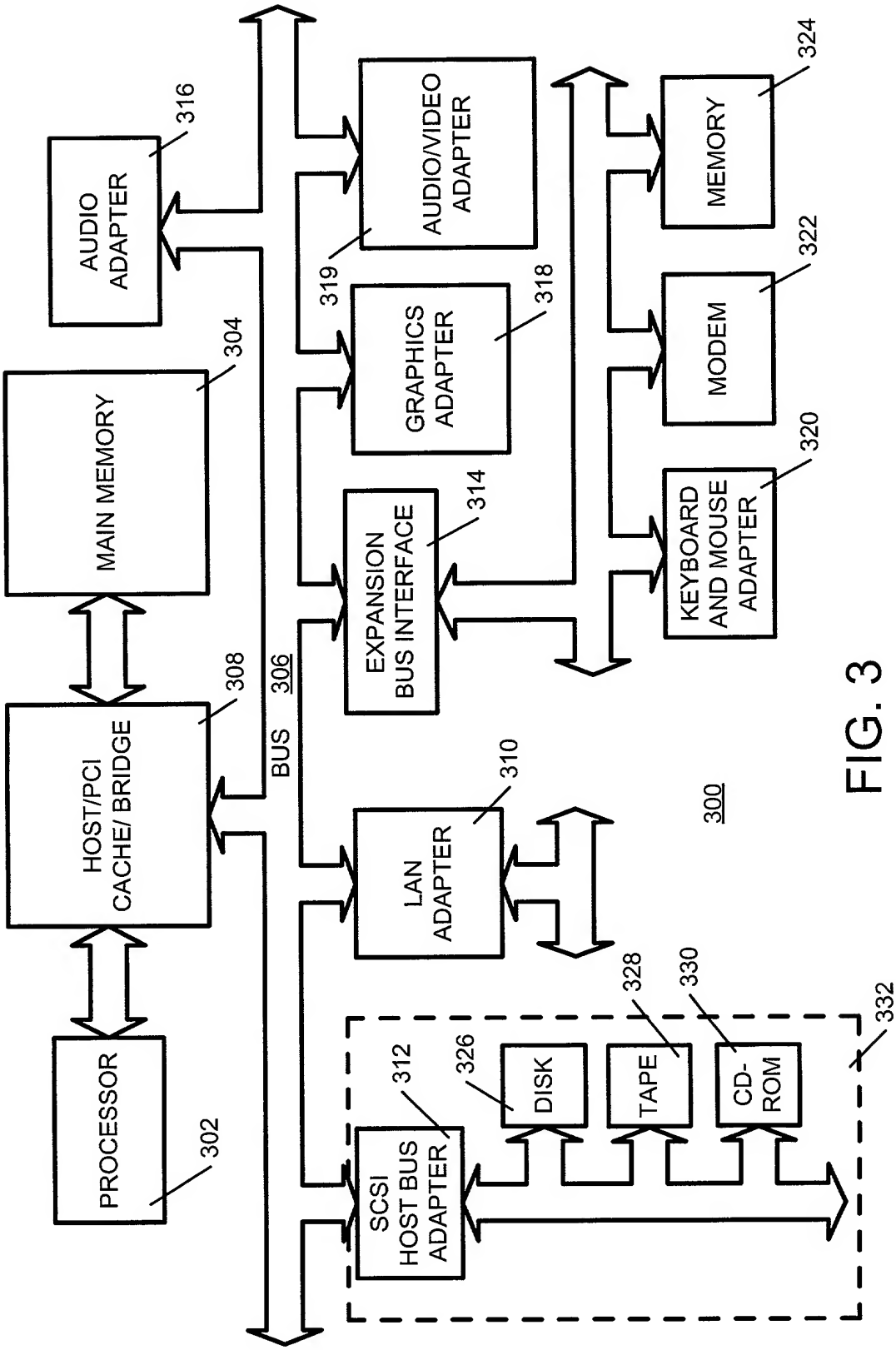
PROCESSOR
302
HOST/PCI CACHE/ BRIDGE
308
MAIN MEMORY
304
AUDIO ADAPTER
316
BUS
306
EXPANSION BUS INTERFACE
314
GRAPHICS ADAPTER
318
319
AUDIO/VIDEO ADAPTER
LAN ADAPTER
310
KEYBOARD AND MOUSE ADAPTER
320
MODEM
322
MEMORY
324
300
SCSI HOST BUS ADAPTER
312
DISK
326
TAPE
328
CD-ROM
330
332

FIG. 3

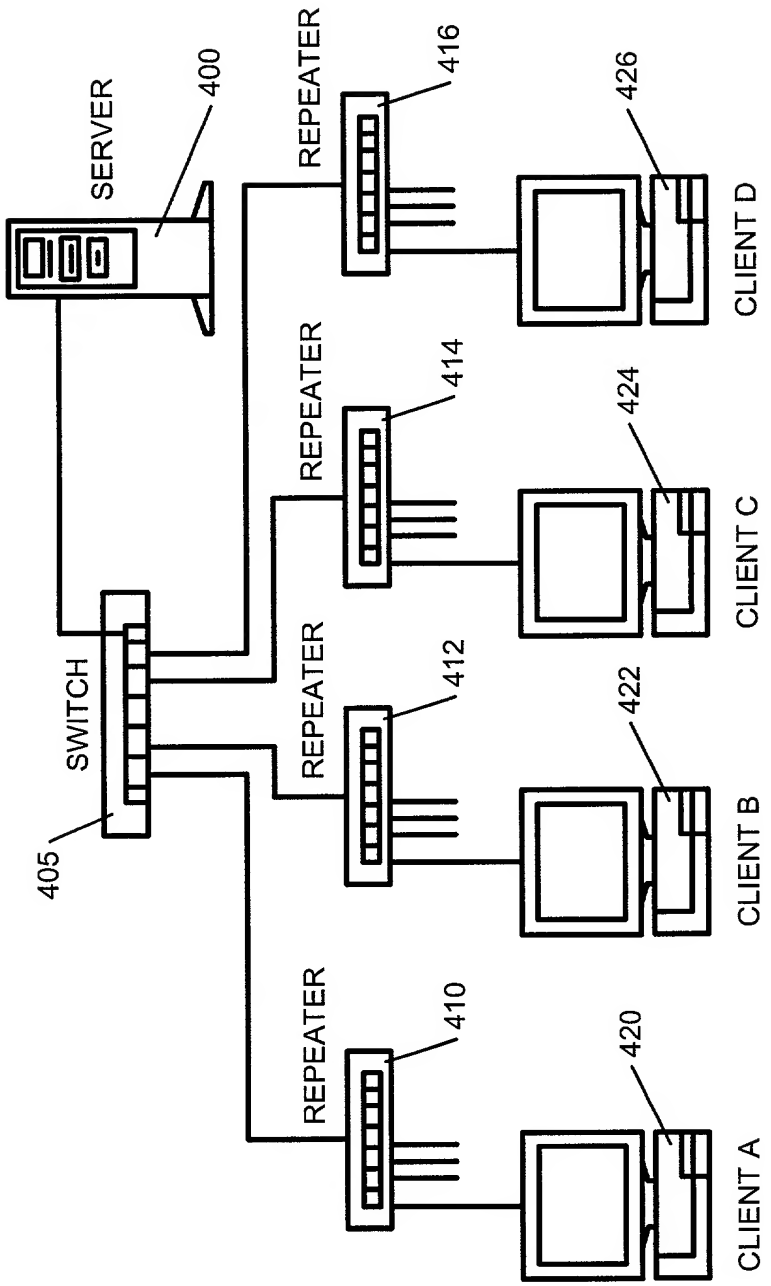
SERVER
400
REPEATER
416
426
CLIENT D
REPEATER
414
424
CLIENT C
SWITCH
405
REPEATER
412
422
CLIENT B
REPEATER
410
420
CLIENT A

FIG. 4

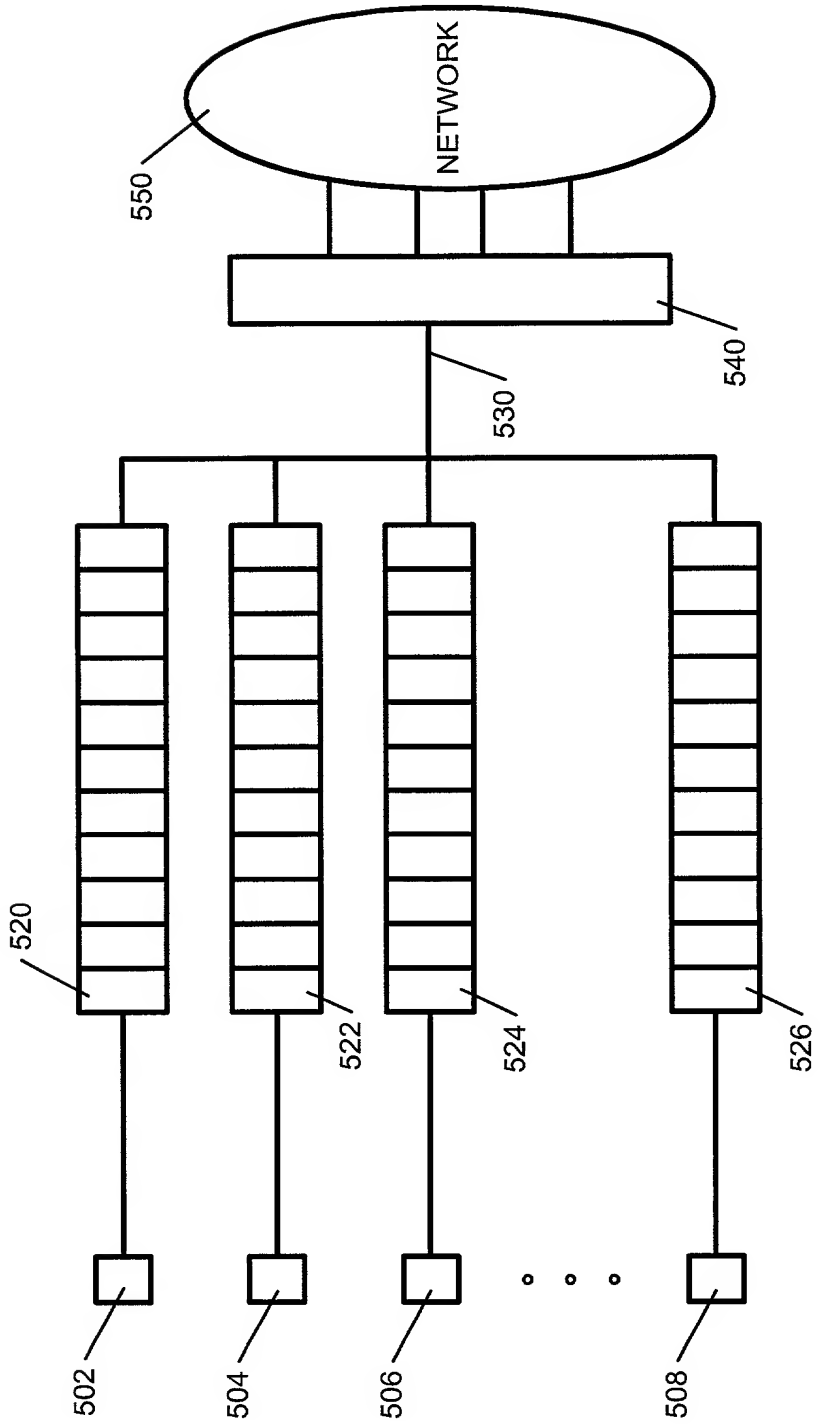

FIG. 5

	VIRTUAL IP ADDRESS	STATUS	PROCESSOR	DESTINATION IP ADDRESS
$BUFFER_1$	$IP\ ADDRESS_1$	IN USE	P_1	$IP\ ADDRESS_1$
$BUFFER_2$	$IP\ ADDRESS_2$	NOT IN USE		
$BUFFER_3$	$IP\ ADDRESS_3$	NOT IN USE		
⋮	⋮	⋮		
$BUFFER_N$	$IP\ ADDRESS_N$	IN USE	P_4	$IP\ ADDRESS_2$

FIG. 6

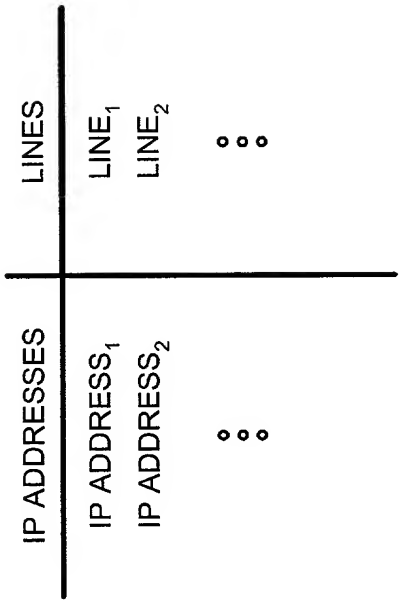

FIG. 7

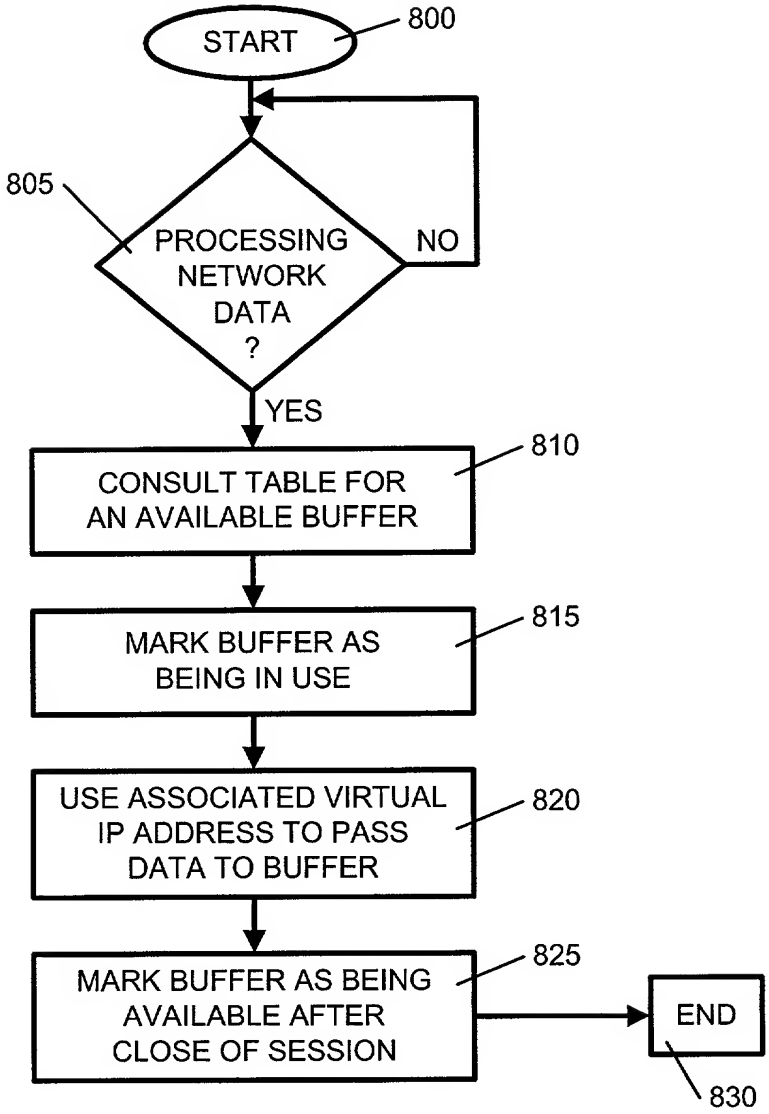
START
800
805
PROCESSING NETWORK DATA ?
NO
YES
CONSULT TABLE FOR AN AVAILABLE BUFFER
810
MARK BUFFER AS BEING IN USE
815
USE ASSOCIATED VIRTUAL IP ADDRESS TO PASS DATA TO BUFFER
820
MARK BUFFER AS BEING AVAILABLE AFTER CLOSE OF SESSION
825
END
830

FIG. 8

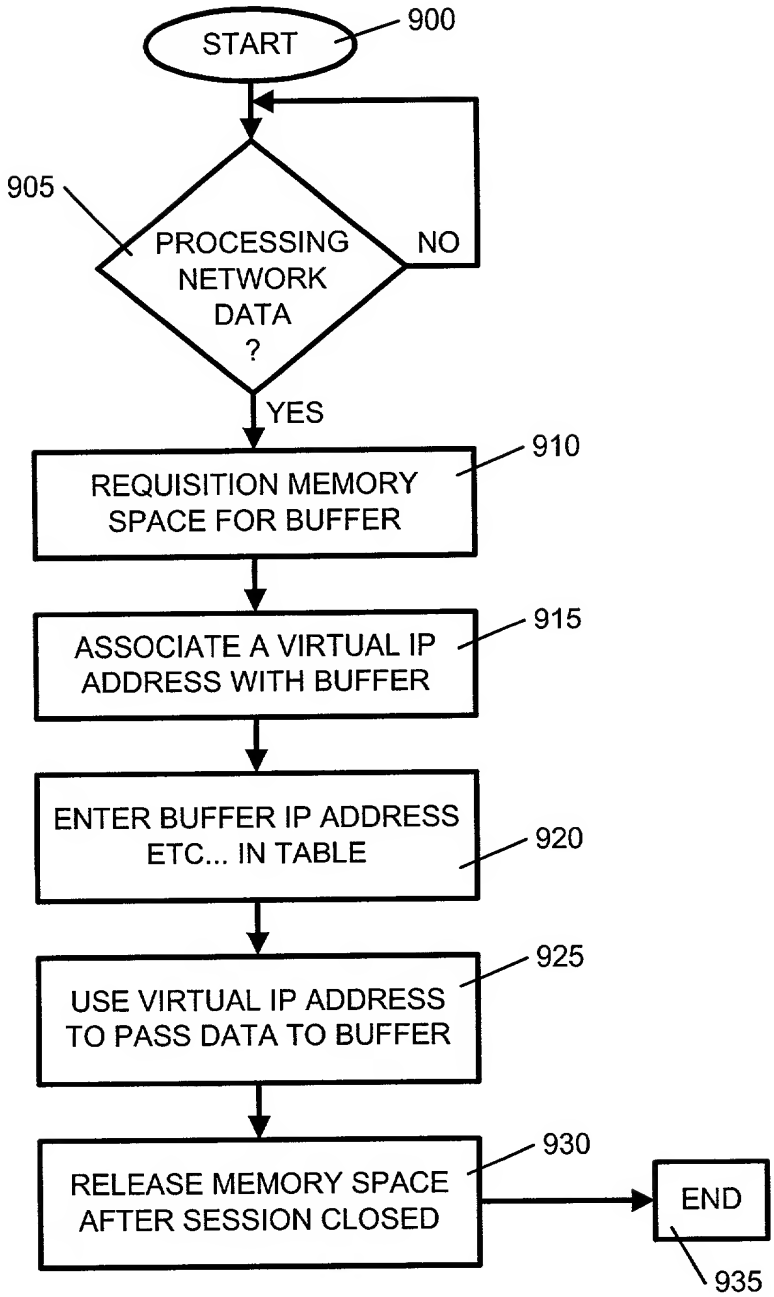
START
900
905
PROCESSING NETWORK DATA ?
NO
YES
REQUISITION MEMORY SPACE FOR BUFFER
910
ASSOCIATE A VIRTUAL IP ADDRESS WITH BUFFER
915
ENTER BUFFER IP ADDRESS ETC... IN TABLE
920
USE VIRTUAL IP ADDRESS TO PASS DATA TO BUFFER
925
RELEASE MEMORY SPACE AFTER SESSION CLOSED
930
END
935

FIG. 9